

IN THE CLAIMS

Pursuant to 37 CFR §121(c), the claim listing, including the text of the claims, will serve to replace all prior versions of the claims, in the application.

Please cancel claims 2, 6 and 10 without prejudice or disclaimer, and amend claims 1, 3, 5, 7, 9 and 11 as follows:

1 1. (Currently Amended) A method for batch registration of an integrated digital
2 loop carrier (IDLC) subscriber using program loaded data (PLD) of an exchange,
3 comprising:

4 (a) opening a program loaded data (PLD) file of an exchange selected by a client
5 terminal accessing through a network, and listing and displaying, on a graphical user
6 interface of the client terminal, information relative to subscribers included in the
7 program loaded data (PLD) file;

8 (b) displaying, on the graphical user interface of the client terminal, shelf
9 information of an integrated digital loop carrier (IDLC) network element which will
10 accept the subscribers included in the program loaded data (PLD) file;

11 (c) receiving a shelf range in the displayed network element, and displaying the
12 shelf range on the graphical user interface of the client terminal when a mode for
13 designing subscriber constitution by shelves is selected;

14 (d) receiving a list of a range of the subscribers who will be accepted in the shelf
15 within a designated range of the subscribers, and displaying the list on the graphical user
16 interface of the client terminal; and

17 (e) transmitting a command for registering the subscribers within the designated
18 range in the shelf within the designated range, performing batch registration of a
19 subscriber for a corresponding shelf, receiving verification information for registration of
20 the subscriber from the corresponding shelf, and displaying a result on the graphical user

21 interface of the client terminal;

22 wherein step (a) comprises the steps of:

23 opening the program loaded data (PLD) file of the exchange, and storing the
24 subscriber data in a memory in the form of a table;

25 displaying the subscriber data stored in the table in a first area of the graphical
26 user interface of the client terminal; and

27 extracting and displaying, in a second area of the graphical user interface of the
28 client terminal, V5IDs and L3 addresses of each subscriber from the subscriber data
29 stored in the table.

Claim 2. (Canceled)

1 3. (Currently Amended) The method of claim [[2]] 1, wherein the table
2 comprises subscriber information to enable an operator to search each subscriber data,
3 confirm whether subscribers are public switched telephone network (PSTN) subscribers
4 or general telephone subscribers, and display a result so as to register the subscribers in
5 the corresponding shelf.

1 4. (Original) The method of claim 1, wherein step (b) comprises displaying a list
2 of shelves of the element, a number of slots in a subscriber line unit set up in each shelf,
3 and a total number of available ports.

1 5. (Currently Amended) A recording medium which is executed by a computer
2 device, and which includes an electromagnetically-stored program for performing a
3 method for batch registration of an integrated digital loop carrier (IDLC) subscriber using

4 a program loaded data (PLD) of an exchange, said method comprising:

5 (a) opening a program loaded data (PLD) file of an exchange selected by a client
6 terminal accessing through a network, and listing and displaying, on a graphical user
7 interface of the client terminal, information relative to subscribers included in the
8 program loaded data (PLD) file;

9 (b) displaying, on the graphical user interface of the client terminal, shelf
10 information of an integrated digital loop carrier (IDLC) network element which will
11 accept the subscribers included in the program loaded data (PLD) file;

12 (c) receiving a shelf range in the displayed network element, and displaying the
13 shelf range on the graphical user interface of the client terminal when a mode for
14 designing subscriber constitution by shelves is selected;

15 (d) receiving a list of a range of the subscribers who will be accepted in the shelf
16 within a designated range of the subscribers, and displaying the list on the graphical user
17 interface of the client terminal; and

18 (e) transmitting a command for registering the subscribers within the designated
19 range in the shelf within the designated range, performing batch registration of a
20 subscriber for a corresponding shelf, receiving verification information for registration of
21 the subscriber from the corresponding shelf, and displaying a result on the graphical user
22 interface of the client terminal;

23 wherein step (a) comprises the steps of:

24 opening the program loaded data (PLD) file of the exchange, and storing the
25 subscriber data in a memory in the form of a table;

26 displaying the subscriber data stored in the table in a first area of the graphical
27 user interface of the client terminal; and

28 extracting and displaying, in a second area of the graphical user interface of the
29 client terminal, V5IDs and L3 addresses of each subscriber from the subscriber data
30 stored in the table.

Claim 6. (Canceled)

1 7. (Currently Amended) The recording medium of claim [[6]] 5, wherein the
2 table comprises subscriber information to enable an operator to search each subscriber
3 data, confirm whether subscribers are public switched telephone network (PSTN)
4 subscribers or general telephone subscribers, and display a result so as to register the
5 subscribers in the corresponding shelf.

1 8. (Original) The recording medium of claim 5, wherein step (b) comprises
2 displaying a list of shelves of the element, a number of slots in a subscriber line unit set
3 up in each shelf, and a total number of available ports.

1 9. (Currently Amended) An element management system server, comprising:
2 storing and display means for storing at least one exchange program loaded data
3 (PLD), for opening a program loaded data (PLD) file of an exchange selected by a client
4 terminal linked to the server through a network, and for listing and displaying, on a
5 graphical user interface of the client terminal, information relative to subscribers
6 included in the program loaded data (PLD) file according to input information from the
7 client terminal;

8 display means for displaying, on the graphical user interface of the client terminal,
9 shelf information of an integrated digital loop carrier (IDLC) network element which will
10 accept the subscribers included in the program loaded data (PLD) file;

11 receiving and displaying means for receiving a shelf range in the displayed
12 network element, and for displaying the shelf range on the graphical user interface of the

13 client terminal when a mode for designing subscriber constitution by shelves is selected;

14 additional receiving and displaying means for receiving a list of a range of the
15 subscribers who will be accepted in the shelf within a designated range of the listed
16 subscribers, and for displaying the list on the graphical user interface of the client
17 terminal; and

18 transmitting means for transmitting a command for registering the subscribers
19 within the designated range in the shelf within the designated range, for performing batch
20 registration of a subscriber for a corresponding shelf, for receiving verification
21 information for registration of the subscriber from the corresponding shelf, and for
22 displaying a result on the graphical user interface of the client terminal;

23 wherein the storing and display means opens the program loaded data (PLD) file of
24 the exchange, stores the subscriber data in a memory in the form of a table, displays the
25 subscriber data stored in the table in a first area of the graphical user interface of the
26 client terminal, and extracts and displays, in a second area of the graphical user interface
27 of the client terminal, V5IDs and L3 addresses of each subscriber from the subscriber
28 data stored in the table.

Claim 10. (Canceled)

1 11. (Currently Amended) The element management system server of claim [[10]]
2 9, wherein the table comprises subscriber information to enable an operator to search
3 each subscriber data, confirm whether subscribers are public switched telephone network
4 (PSTN) subscribers or general telephone subscribers, and display a result so as to register
5 the subscribers in the corresponding shelf.

1 12. (Original) The element management system server of claim 9, wherein the
2 display means displays a list of shelves of the element, a number of slots in a subscriber
3 line unit set up in each shelf, and a total number of available ports.